

Amendment to the Claims

1-4. (Cancelled)

5. (New) A reciprocating fluid transfer pump comprising:

a main body block including a fluid supply passage and a fluid discharge passage;

a center rod inserted in said main body block and being capable of reciprocating movement relative to said main body block;

a barrier membrane attached to an end portion of said center rod, said barrier membrane and said main body block defining a fluid delivering chamber and a driving chamber such that a fluid, once having suctioned into the fluid delivering chamber, is discharged by expanding and contracting said barrier membrane;

a main ring engaged via threads with an annular wall formed in said main body block, said main ring being movable rotationally relative to said main body block to insert the annular wall of said main body block into an annular space between an outer annular portion of said main ring and an inner annular portion of said main ring such that a peripheral portion of said barrier membrane is clamped and thus fixedly secured to said main body block; and

a pilot valve assembly block fixedly secured to said main body block by engaging said main ring with said main body block, said pilot valve assembly block having a pilot valve integrated therein as one body for detecting reciprocating motion of said center rod; and

a sub ring engaged via a thread with a threaded section of said pilot valve assembly block such that, by fastening of said sub ring, said pilot valve assembly is pressed against and thus

fixedly secured to said main body block with the aid of said main ring.

6. (New) A reciprocating fluid transfer pump in accordance with claim 5, further comprising a change-over valve assembly block having a change-over valve integrated therein as one body for switching movable directions of said center rod, said change-over valve assembly block being fixedly secured to said main body block, wherein said change-over valve assembly block and said pilot valve assembly block are interconnected via a piping block defining flow channels for connecting respective ports of said change-over valve with respective ports of said pilot valve.
7. (New) A reciprocating fluid transfer pump in accordance with claim 6, in which said respective ports are connected to said respective flow channels of said piping block via connectors.
8. (New) A reciprocating fluid transfer pump in accordance with claim 7, in which said piping block is secured fixedly to said main body block via said pilot valve assembly block.
9. (New) A reciprocating fluid transfer pump in accordance with claim 7, further comprising a second barrier membrane attached to a second end portion of said center rod.